

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
Sheet	2	of	3	Application Number	09/910,592
				Filing Date	20 July 2001
				First Named Inventor	Jonathan M. Friedman
				Group Art Unit	<del>212</del> 1631
				Examiner Name	To be Assigned <i>Ly</i>
				Attorney Docket Number	389004/039

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>col</i>	1	Chen et al. Increasing the Thermostability of Staphylococcal Nuclease: Implications for the Origin of Protein Thermostability. J.Mol.Biol. 2000, Vol. 303, pp 125-130.
	2	Blake J.F. Chemoinformatics-predicting the physicochemical properties of 'drug-like' molecules. Curr Opin Biotechnol. Feb. 2000, Vol. 11, No. 1, pp 104-107.
	3	Van Drie J.H. An Inequality for 3D database searching and its use in evaluating the treatment of conformational flexibility. J Comp Aided Mol Des. Dec. 1996, Vol. 10, No. 6, pp 623-30.
	4	Clark et al. Pharmacophoric pattern matching in files of 3D chemical structures: implementation of flexible searching. J.Mol Graph. Sept. 1993, Vol. 11, No. 3, pp 146-56.
	5	Willet P. Searching for pharmacophoric patterns in databases of 3D chemical structures. J Mol. Recognit. Sept.-Oct. 1995, Vol. 8, No. 5, pp 290-303.
	6	Adams et al. Extend. the limits of mole. replacement through combined simulated annealing and max.-likelihood refinement. Acta Crystallog D Biol Crystallogr., Jan 1999, V.55, (Pt 1),
	7	Fitzgerald P. M.D. MERLOT, an integrated package of computer programs for the determination of crystal structures by molecular replacement. J.Appl. Crystallog., 1988, Vol. 21, pp. 273-278.
	8	Su et al. Closed-form expressions for Fourier-Bessel transform of Slater-type functions. J. Appl. Cryst. 1990, Vol. 23, pp. 71-73.
	9	Norinder et al. Theoretical calculation and prediction of intestinal absorption of drugs in humans using MolSurf parametrization and PLS statistics. Eur J Pharm Sci. April 1999, Vol. 8, No. 1, pages 49-56.
	10	Ho et al. FOUNDATION: a program to retrieve all possible structures containing a user-defined minimum number of matching query elements from three-dimensional databases. J Comput Aided Mol. Des. Feb. 1993, Vol. 7, No. 1, pp 3-22.

Examiner Signature <i>Chapman</i>	Date Considered <i>6/09/03</i>
-----------------------------------	--------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



RECEIVED  
 JUL 26 2002  
 RECEIVED

Technology Center 2100

RECEIVED  
JUL 26 2002  
TECH CENTER

RECEIVED  
JUL 22 2002  
Technology Center 2100

FORM PTO 1449 (modified)		ATTY DOCKET NO. <b>389004/0039</b>		APPLICATION NO. <b>09/910,592</b>	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT <b>Jonathan M. Friedman</b>			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE <b>20 July 2001</b>		GROUP <b>2121</b>	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>cm</i>	11	Andrews K.W. A table of maxima and minima of the Bessel functions $J_n(Z)$ for $n=0$ to $n=30$ . Acta Crystallographica, September 1981, Vol. 37, pp. 765-766.			
<i>1</i>	12	Paciorek et al. Generalized Bessel functions in incommensurate structure analysis. Acta Cryst. 1994, Vol. 50, pp. 194-203.			
<i>1</i>	13	Friedman J.M. Interconversion between 3D molecular representation: some macromolecular applications of spherical harmonic-Bessel expansions about an arbitrary center. Comput Chem. Jan. 1999, Vol. 23, No. 1, pp 9-23.			
EXAMINER		DATE CONSIDERED			
<i>[Signature]</i>		<i>6/09/03</i>			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

+

+

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	09/910,592	
			Filing Date	20 July 2001	
			First Named Inventor	Jonathan M. Friedman	
			Group Art Unit	<del>2121</del> 1631	
			Examiner Name	To be Assigned <i>LY</i> <i>JUL 2</i>	
Sheet	1	of	3	Attorney Docket Number	389004/039

**RECEIVED**

~~JUL 2~~ 2 2002

Technology Center 2100

[illegible]

RECEIVED

~~JUL 25 2002~~

~~Technology Center 2100~~

RECEIVED  
JUL 26 1964

TECH CENTER 1600/2900

[illegible]

Examiner Signature	<i>Chapman</i>	Date Considered	6/09/03
-----------------------	----------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

SSL-DOCS1 1239976 v1